

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC CONTROL SIGNAL LOCATED AT THE INTERSECTION OF MD 45(YORK RD) AND BURKE AVENUE IN BALTIMORE COUNTY. REPLACE ALL EXISTING TRAFFIC SIGNALS WITH PROPOSED BLACK FACED TRAFFIC SIGNALS MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA (6) SIX PHASE, FULL-TRAFFIC-ACTUATED MODE, WITH A SINGLE EXCLUSIVE LEFT TURN FOR THE SOUTHBOUND MOVEMENT AND DOUBLE EXCLUSIVE LEFT TURNS FOR THE NORTHBOUND MOVEMENT. THE SIDE STREETS OPERATE ON A SPLIT PHASE, WITH AN ACTUATED PEDESTRIAN MOVEMENT CROSS THE SOUTH LEG OF THE INTERSECTION AND A CONCURRENT PEDESTRAIN MOVEMENT CROSSING THE EAST AND WEST LEGS OF MD 45. MD 45 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY.

AN EXISTING NEMA EIGHT- PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER, HOUSE IN POLE-MOUNTED CABINET IS LOCATED AT THIS INTERSECTION. THE EXISTING PHASING SHALL REMAIN THE SAME THE OVERHEAD SERVICE SHALL REMAIN.

EQUIPMENT LISTS

EQUIPMENT LISTS (cont.)

A. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM	QUANTITY	EA	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
8019	1	EA	REMOVE & DISPOSE OF MATERIALS AND EQUIPMENT
8074	6	EA	8 IN VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8075	22	EA	12 IN VEHICULAR TRAFFIC SIGNAL HEAD SECTION

B. ALL EQUIPMENT TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

MR. RANDALL SCOTT  
ASSISTANCE DISTRICT ENGINEER-TRAFFIC  
PHONE: 410-321-2781/2885

MR. STEVE MARCISZEWSKI  
ASSISTANT DISTRICT ENGINEER-MAINTENANCE  
PHONE: 410-321-2761

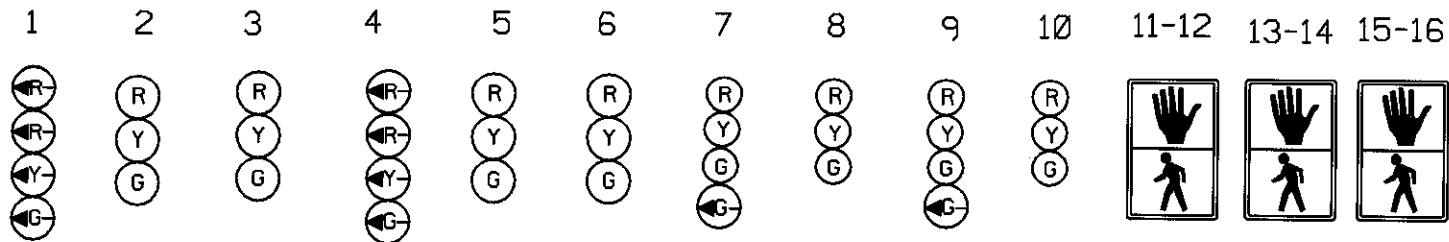
MR. ED RODENHIZER  
CHIEF, SIGNAL OPERATION SECTION  
PHONE: 410-787-7652

MR. ROBERT SNYDER  
ASST. CHIEF, TRAFFIC OPERATION DIVISION  
PHONE: 410-787-7631

MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERATION DIVISION  
PHONE: 410-787-7630

MS SUENETTE POPE  
DISTRICT UTILITY ENGINEER  
PHONE: 410-321-2841

PHASE CHART



Phase 1&5	←G-	R	R	←G-	R	R	R	R	R	R	R	DW	DW	DW	
Change to phases 1+6 or 2+5 or 2+6															
Phase 1 & 6	←G-	G	G	←G-	R	R	R	R	R	R	R	DW	DW	DW	
1 change	←Y-	Y	Y	←G-	R	R	R	R	R	R	R	DW	DW	DW	
Phase 2&5	←G-	R	R	←G-	G	G	R	R	R	R	R	DW	DW	DW	
5 change	←G-	R	R	←G-	G	G	R	R	R	R	R	DW	DW	DW	
Phase 2 & 6	←G-	G	G	←G-	G	G	R	R	R	R	R	WK	WK	DW	
PED-CLEARANCE	←G-	G	G	←G-	G	G	R	R	R	R	R	FL/DW	FL/DW	DW	
2 & 6 change	←G-	Y	Y	←G-	Y	Y	R	R	R	R	R	DW	DW	DW	
Phase 3	←G-	R	R	←G-	R	R	R	R	R	R	R	DW	DW	DW	
3 change	←G-	R	R	←G-	R	R	R	R	R	R	R	DW	DW	DW	
Phase 4 ALT	←G-	R	R	←G-	R	R	R	R	R	R	R	DW	DW	WK	
PED-CLEARANCE	←G-	R	R	←G-	R	R	R	R	R	R	R	DW	DW	FL/DW	
ALT4 change	←G-	R	R	←G-	R	R	R	R	R	R	R	DW	DW	DW	
Phase 4	←G-	R	R	←G-	R	R	R	R	R	R	R	DW	DW	DW	
4 change	←G-	R	R	←G-	R	R	R	R	R	R	R	DW	DW	DW	
Flashing Operation	FL/←R	FL/Y	FL/Y	FL/←R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	

WIRING DIAGRAM

NOTE: USE EXISTING WIRING

BAI

BRUDIS & ASSOCIATES, INC.  
CONSULTING ENGINEERS

9220 RUNSEY ROAD, SUITE 110  
COLUMBIA, MARYLAND 21045  
(410)-884-3607

SHA #: BA445A55/255 TSD #: AT251-20

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
GENERAL INFORMATION SHEET  
MD 45 (York Rd) AND BURKE AVENUE

DRAWN BY: M.A. MEARS  
CHECKED BY: NONE  
SCALE: NONE  
DATE: 02/06/04

F.A.P. NO.  
S.H.A. NO.  
COUNTY:  
LOG MILE:

4270A  
AT3575185  
BALTIMORE  
03004501.60

TS NO.  
4270A  
T.I.M.S. NO.  
F781

SHEET NO.  
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